

Product Datasheet

Recombinant CD81 Antibody (orb699624)

Catalog Number	orb699624
Category	Antibodies
Description	Recognizes a protein of 26kDa, identified as CD81 (Workshop VI; Code CD81.1). CD81 has a very broad cellular distribution, being expressed on T- and B-lymphocytes, NK cells, thymocytes, eosinophils, fibroblasts, epithelial and endothelial cells. Neutrophils, erythrocytes and platelets are negative, while monocytes are variably positive. CD81 is a member of a family of tetraspan transmembrane proteins, including CD9, CD37, CD53, CD63, and CD82. It associates with CD19, CD21, Leu 13, and integrins on cell membrane and is involved in signal transduction in B lymphocyte development and cell adhesion. CD81 also acts as a receptor for the envelope protein E2 of chronic hepatitis C virus. Antibodies to CD81 have anti-proliferative effects on different lymphoid cell lines, particularly those derived from large cell lymphomas.
Clonality	Recombinant
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	Recombinant full-length human CD81 protein was used as the immunogen for the recombinant CD81 antibody.
UniProt ID	P60033

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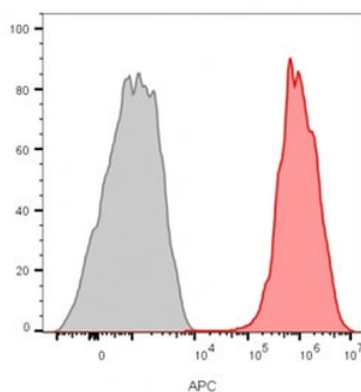
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Tested applications	FACS, Functional Studies, IF, IHC-P, WB
Dilution range	Functional Studies: order Ab format without BSA/sodium azide, Flow cytometry: 0.5-1ug/million cells, Immunofluorescence: 0.5-1ug/ml, Western blot: 1-2ug/ml for 2 hours at RT, Immunohistochemistry (FFPE): 2-4ug/ml for 30 minutes at RT
Application notes	Optimal dilution of the recombinant CD81 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	rC81/3442
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow cytometry staining of human MCF7 cells with recombinant CD81 antibody; Gray=unstained cells, Orange= recombinant CD81 antibody.

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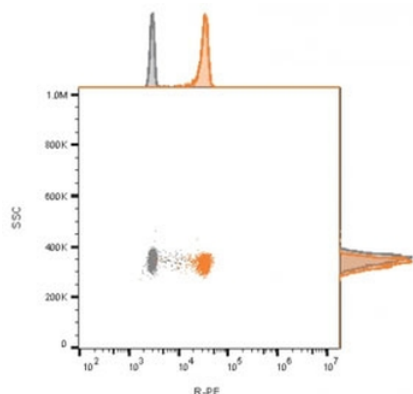
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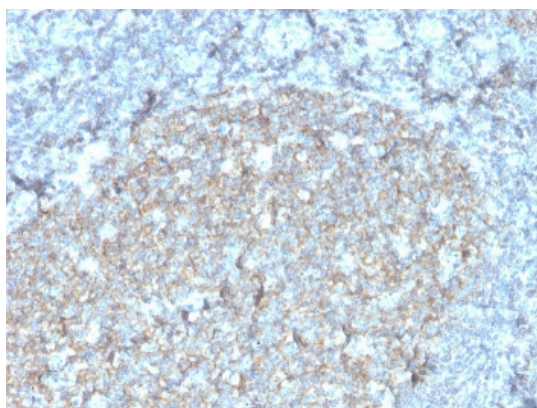
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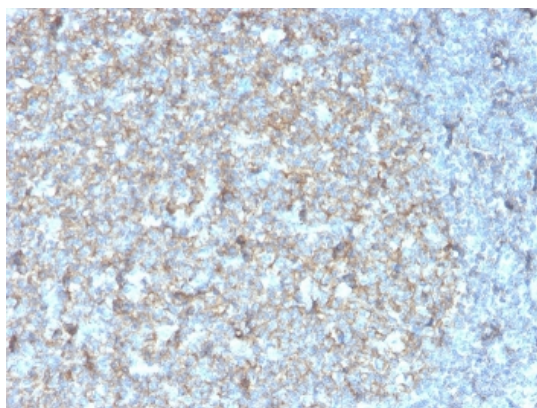
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Flow cytometry analysis of bead-bound exosomes derived from MCF-7 cells using recombinant CD81 antibody (clone rC81/3442). Gray=unstained cells, Orange = recombinant CD81 antibody.



IHC staining of FFPE human tonsil with recombinant CD81 antibody (clone rC81/3442). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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